

ABSTRACT

A telescope has a tube, a prime focusing mirror, and a secondary mirror to form a real image behind the telescope. A fork mount has a base and a two arms extending to hold the telescope tube. A 45 degree angle reflector deflects light from the telescope by 90 degrees. The 45 degree angle reflector attaches to external threads at an end of the telescope tube. A cylindrical coupling member mates at a first end with a downstream opening of the 45 degree angle deflector, and has a threaded coupling at a downstream end of the cylindrical coupling. A field adjuster attaches to the threaded coupling of the cylindrical coupling member. A CCD camera attaches to a downstream end of the field adjuster, so that the CCD camera clears the base of the fork mount when the telescope is in the 90 degree declination position.